BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

Name of work: Estimate for Construction of Balance work Compound Wall, DG Room, office Room, Parking area and Toilets at Samudaya Bhavana Hegdenagara (near Dry Waste Collection Centre) in Ward No. 06, Byatarayanapura Sub Division.

								Estimate Cost Rs.	5730000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M300-53 : Construction of embankment with approved material Gravel/Murrum with all lifts and leads, trasnporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. **(Page No. 144 & Item No. 19.60) PWD SR 2015--16**	Cum							
			1	54.00	16.00	1.50	1296.00		
							1296.00	220.32	**285535.00**
	Basic Rate	204.00							
	Area Weightage @ 8%	16.32							
	Total	**220.32**							
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2015-16	Cum							
	Coloumns		17X2	0.75	0.75	0.75	14.34		
			7	0.75	0.75	0.75	2.95		
	For Compound Wall		2	54.00	0.75	0.60	48.60		
			2	16.00	0.75	0.60	14.40		
	Genarater Room		4	6.00	0.75	0.60	10.80		
	office Room		4	4.00	0.75	0.60	7.20		
	Toilets		2	8.00	0.75	0.60	7.20		
			2	4.00	0.75	0.60	3.60		
			8	4.00	0.75	0.60	14.40		
	For DWCC Center Toilet		2	8.00	0.75	0.60	7.20		
			2	4.00	0.75	0.60	3.60		
			8	4.00	0.75	0.60	14.40		
	For Culverts		4	10.00	1.95	1.10	85.80		
							234.50		
	Deduction Clolumns		41	0.75	0.60	0.60	**11.07**		
							223.43	283.02	**66367.00**
	Basic Rate	267.00							
	Area Weightage @ 6%	16.02							
	Total	**283.02**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **Page No. 12 / Item No. 4.3 / PWD SR 2015-16**	Cum							
	Coloumns		17X2	0.75	0.75	0.15	2.87		
			7	0.75	0.75	0.15	0.59		
	For Compound Wall		2	54.00	0.75	0.15	12.15		
			2	16.00	0.75	0.15	3.60		
	Genarater Room		4	6.00	0.75	0.15	2.70		
	office Room		4	4.00	0.75	0.15	1.80		
	Toilets		2	8.00	0.75	0.15	1.80		
			2	4.00	0.75	0.15	0.90		
			8	4.00	0.75	0.15	3.60		
	For DWCC CenterToilets		2	8.00	0.75	0.15	1.80		
			2	4.00	0.75	0.15	0.90		
			8	4.00	0.75	0.15	3.60		
	For Concrete Filling to DWCC		1	16.00	10.00	0.15	24.00		
			4	10.00	1.95	0.15	11.70		
							72.01	4976.70	**358369.00**
	Basic Rate	4695.00							
	Area Weightage @ 6%	281.70							
	Total	**4976.70**							
4	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2015-16 (Page No. 25 / Item No. 5.6**	Cum							
	For Compound Wall		2	54.00	0.75	0.60	48.60		
			2	16.00	0.75	0.60	14.40		
	Genarater Room		4	6.00	0.75	0.60	10.80		
	office Room		4	4.00	0.75	0.60	7.20		
	Toilets		2	8.00	0.75	0.60	7.20		
			2	4.00	0.75	0.60	3.60		
			8	4.00	0.75	0.60	14.40		
	Toilets		2	8.00	0.75	0.60	7.20		
			2	4.00	0.75	0.60	3.60		
			8	4.00	0.75	0.60	14.40		
	For Culverts		4	10.00	0.60	0.45	10.80		
							142.20	3910.34	**556050.00**
	Basic Rate	3689.00							
	Area Weightage @ 6%	221.34							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**3910.34**							
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 **(P.26/I.5.9) PWD SR 2015-16**	Cum							
	For Compound Wall		2	54.00	0.45	0.60	29.16		
			2	16.00	0.45	0.60	8.64		
	Genarater Room		4	6.00	0.45	0.60	6.48		
	office Room		4	4.00	0.45	0.60	4.32		
	Toilets		2	8.00	0.45	0.60	4.32		
			2	4.00	0.45	0.60	2.16		
			8	4.00	0.45	0.60	8.64		
	Toilets -2		2	8.00	0.45	0.60	4.32		
			2	4.00	0.45	0.60	2.16		
			8	4.00	0.45	0.60	8.64		
	For Culverts		4	10.00	0.50	0.45	9.00		
							87.84	4814.52	**422907.00**
	Basic Rate	4542.00							
	Area Weightage @ 6%	272.52							
	Total	**4814.52**							
	KSRB-3.2 : Providing and injecting chemical emulsion for Preconstructional anti-termite treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulisifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one precent concentration, labour, HOM of equipments, complete as specifications.(Plinth area of building at ground floor only shall be measured) specification. No. KBS : 3.2.6 / 3.2.7 , P No. 09/ Item No. 3.2/ PWD SR 2015-16	**Sqm**							
			1	24.00	16.00		384.00		
	For Compound Wall		2	54.00	0.75		81.00		
			2	16.00	0.75		24.00		
	Genarater Room		4	6.00	0.75		18.00		
	office Room		4	4.00	0.75		12.00		
	Toilets		2	8.00	0.75		12.00		
			2	4.00	0.75		6.00		
			8	4.00	0.75		24.00		
	Toilets		2	8.00	0.75		12.00		
			2	4.00	0.75		6.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			8	4.00	0.75		24.00		
							603.00	108.12	**65196.00**
	Basic Rate	102.00							
	Area Weightage @ 6%	6.12							
	Total	**108.12**							
6	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 120 / Item No. 15.3 / PWD SR 2015-16**	Sqm							
	Genarater Room		4	6.00		1.00	24.00		
	office Room		4	4.00		1.00	16.00		
	Toilets		2	8.00		1.00	16.00		
			2	4.00		1.00	8.00		
			8	4.00		1.00	32.00		
	Toilets -2		2	8.00		1.00	16.00		
			2	4.00		1.00	8.00		
			8	4.00		1.00	32.00		
	For Culverts		4	10.00		1.00	40.00		
							192.00	97.52	**18724.00**
	Basic Rate	92.00							
	Area Weightage @ 6%	5.52							
	Total	**97.52**							
7	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 24/ Item No. 5.27/ PWD SR 2015-16	Cum							
	For Compound Wall		2	54.00		1.50	162.00		
			2	16.00		1.50	48.00		
	Genarater Room		4	6.00		3.50	84.00		
	office Room		4	4.00		3.50	56.00		
	Toilets		2	8.00		3.50	56.00		
			2	4.00		3.50	28.00		
			8	4.00		3.50	112.00		
	For DWCC Center Toilet		2	8.00		3.50	56.00		
			2	4.00		3.50	28.00		
			8	4.00		3.50	112.00		
							742.00		
	Doors		6	0.75		2.10	9.45		
	Windows		2	4.00		3.00	24.00		
	Ventilator		8	0.60		0.60	2.88		
	Roling Shetter		1	3.00		3.00	9.00		
							45.33		
							696.67	999.58	**696377.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	943.00							
	Area Weightage @ 6%	56.58							
	Total	**999.58**							
8	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 19 / Item No. 4.48.1/ PWD SR 2015-16**	Cum							
	Column Footings		34	0.60	0.60	0.20	2.45		
			7	1.20	0.60	0.20	1.01		
	Compound Wall coloumns		34	0.20	0.20	2.50	3.40		
			7	0.20	0.20	2.50	0.70		
	For cooping concrete Compound Wall		2	54.00	0.45	0.10	4.86		
			2	16.00	0.45	0.10	1.44		
	Genarater Room		4	6.00	0.45	0.10	1.08		
	office Room		4	4.00	0.45	0.10	0.72		
	Toilets		2	8.00	0.45	0.10	0.72		
			2	4.00	0.45	0.10	0.36		
			8	4.00	0.45	0.10	1.44		
	For DWCC Center Toilets		2	8.00	0.45	0.10	0.72		
			2	4.00	0.45	0.10	0.36		
			8	4.00	0.45	0.10	1.44		
	For Culverts		4	10.00	0.45	0.10	1.80		
	Plinth Beems								
	Genarater Room		4	6.00	0.30	0.45	3.24		
	office Room		4	4.00	0.30	0.45	2.16		
	Toilets		2	8.00	0.30	0.45	2.16		
			2	4.00	0.30	0.45	1.08		
			8	4.00	0.30	0.45	4.32		
	For DWCC Center Toilets		2	8.00	0.30	0.45	2.16		
			2	4.00	0.30	0.45	1.08		
			8	4.00	0.30	0.45	4.32		
	Roof Beems								
	Genarater Room		4	6.00	0.20	0.45	2.16		
	office Room		4	4.00	0.20	0.45	1.44		
	Toilets		2	8.00	0.20	0.45	1.44		
			2	4.00	0.20	0.45	0.72		
			8	4.00	0.20	0.45	2.88		
	For DWCC Center Toilets		2	8.00	0.20	0.45	1.44		
			2	4.00	0.20	0.45	0.72		
			8	4.00	0.20	0.45	2.88		
	Roof								
	Genaretor Room		1	6.00	6.00	0.15	5.40		
	Toilet Room		1	4.00	6.00	0.15	3.60		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Toilet Room-2		1	4.00	6.00	0.15	3.60		
	office Room		1	4.00	6.00	0.15	3.60		
							72.90	6345.16	**462537.00**
	Basic Rate	5986.00							
	Area Weightage @ 6%	359.16							
	Total	**6345.16**							
9	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 **Page No. 15 / Item No. 4.19 / PWD SR 2015-16**	Sqm							
	Roling Shetter		2	4.00	0.60		4.80		
	Windows		2	0.90	0.60		1.08		
	V		8	0.60	0.60		2.88		
							8.76	461.10	**4039.00**
	Basic Rate	435.00							
	Area Weightage @ 6%	26.10							
	Total	**461.10**							
10	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.3/ PWD SR 2015-16	Qtl							
	For Roof, Columns Beams @ 125 Kg/Cum		0.125	72.90			9.11		
	Chajjas @ 10 Kg/Cum		0.100	8.76			0.88		
							9.99	58229.25	**581594.00**
	Basic Rate	54933.25							
	Area Weightage @ 6%	3296.00							
	Total	**58229.25**							
11	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to **ceiling including r**ounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123 / Item No. 15.21 / PWD SR -2015-16**	Sqm							
	Genaretor Room		1	6.00	6.00		36.00		
	Toilet Room		1	4.00	6.00		24.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Toilet Room-2		1	4.00	6.00		24.00		
	office Room		1	4.00	6.00		24.00		
							108.00	193.98	**20950.00**
	Basic Rate	183.00							
	Area Weightage @ 6%	10.98							
	Total	**193.98**							
12	KSRB 15.3.11 :Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123 / Item No. 15.19 / PWD SR 2015-16 (Inside wall)**	Sqm							
	Genarater Room		4	6.00		3.50	84.00		
	office Room		4	4.00		3.50	56.00		
	Toilets		2	8.00		3.50	56.00		
			2	4.00		3.50	28.00		
			8	4.00		3.50	112.00		
	For DWCC Center Toilet		2	8.00		3.50	56.00		
			2	4.00		3.50	28.00		
			8	4.00		3.50	112.00		
							420.00		
	Roling Shetter		2	4.00		0.60	4.80		
	Windows		2	0.90		0.60	1.08		
	V		8	0.60		0.60	2.88		
							8.76		
							411.24	235.32	**96773.00**
	Basic Rate	222.00							
	Area Weightage @ 6%	13.32							
	Total	**235.32**							
13	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **(P. 124 / I. 15.33 PWD SR - 2015-16**	Sqm							
			Qty Vide Item No. 14+15				**519.24**	25.44	**13209.00**
	Basic Rate	24.00							
	Area Weightage @ 6%	1.44							
	Total	**25.44**							
14	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **Page No. 123 / Item No. 15.17 / PWD SR 2015-16 (Out side Wall)**	Sqm							
	Genarater Room Out Side		4	6.00		3.50	84.00		
	office Room		4	4.00		3.50	56.00		
	Toilets		2	8.00		3.50	56.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	4.00		3.50	28.00		
			8	4.00		3.50	112.00		
	For DWCC Center Toilet		2	8.00		3.50	56.00		
			2	4.00		3.50	28.00		
			8	4.00		3.50	112.00		
	For Compound Wall		4	54.00		1.50	324.00		
			2	16.00		1.50	48.00		
	Top		2	54.00		0.20	21.60		
			1	16.00		0.20	3.20		
							928.80	199.28	**185091.00**
	Basic Rate	188.00							
	Area Weightage @ 6%	11.28							
	Total	**199.28**							
15	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs**, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **(P.16 / I.4.29) PWD SR 2015-16**	Sqm							
	Genaretor Room		1	6.00	6.00		36.00		
	Toilet Room		1	4.00	6.00		24.00		
	Toilet Room-2		1	4.00	6.00		24.00		
	office Room		1	4.00	6.00		24.00		
	Roof Beem								
	Genaretor Room		4	6.00	0.45		10.80		
	Toilet Room		4	4.00	0.45		7.20		
	Toilet Room-2		4	4.00	0.45		7.20		
	office Room		4	4.00	0.45		7.20		
							140.40	572.40	**80365.00**
	Basic Rate	540.00							
	Area Weightage @ 6%	32.40							
	Total	**572.40**							
16	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for **chajjas**, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 17 / Item No. 4.37/ PWD SR 2015-16**	Sqm							
	W		18	1.70	0.60		18.36		
			2	1.50	0.60		1.80		
	V		2	0.80	0.60		0.96		
							21.12	278.78	**5888.00**
	Basic Rate	263.00							
	Area Weightage @ 6%	15.78							
	Total	**278.78**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
17	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of **columns** for mass concrete including cost of all materials, labour complete as per specifications.Specification NO. KBS 4.6.2 **Page No. 16/ Item No. 4.28 / PWD SR 2015-16**	Sqm							
	Column		34	0.80		2.50	68.00		
			7	0.80		2.50	14.00		
	Genarater Room		8	6.00		0.30	14.40		
	office Room		8	4.00		0.30	9.60		
	Toilets		4	8.00		0.30	9.60		
			4	4.00		0.30	4.80		
			16	4.00		0.30	19.20		
	For DWCC Center Toilets		4	8.00		0.30	9.60		
			4	4.00		0.30	4.80		
			16	4.00		0.30	19.20		
							173.20	239.56	**41492.00**
	Basic Rate	226.00							
	Area Weightage @ 6%	13.56							
	Total	**239.56**							
18	Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and sutters made out of seasoned honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm, width width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be not proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years, this shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting wit enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc, complete the hollow portion of the frame to be filled with cement concrete1:2:4. **Page No. 45 / Item No. 7.26 / PWD SR**	Sqm							
	Enterance Doors for Toilets		2	0.90		2.10	3.78		
	Roling Shetter		1	4.00		3.00	12.00		
	Ventiletor		8	0.60		0.60	2.88		
	Enterance Gate		2	3.20		1.50	9.60		
							28.26	3710.00	**104845.00**
	Basic Rate	3500.00							
	Area Weightage @ 6%	210.00							
	Total	**3710.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
19	KSRB 7.10 : Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick bottom section weight 0.695 Kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg/m, shutter outer side 40mmx18mm, 1.25mm, thick, weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc ; and providing and fixing 5.5mm, thick plain glass for shutters fitted with rubber beading aluminium section anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and riveted in the assembled frame stiffened with end clops at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with	Sqm							
	W		2	0.90		0.60	1.08		
							1.08	3945.32	**4261.00**
	Basic Rate	3722.00							
	Area Weightage @ 6%	223.32							
	Total	**3945.32**							
20	Providing & fixing factory made PVC Door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 7mm rigid PVC foam sheet metered cut at corners & jointed 2No.s of 150mm long brackets of 15x15 mm M.S. Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufactures specification & direction of Engineer-in charge **Page No. 63 / Item No. 9.84 / PWD SR 2015-16 SOLID PVC DOOR FRAME**	Sqm							
	Door		6	0.90		2.10	**11.34**		
							11.34	552.26	**6263.00**
	Basic Rate	521.00							
	Area Weightage @ 6%	31.26							
	Total	**552.26**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
21	SOLID PANEL PVC DOOR SHUTTER Providing and fixing 30 mm thick factorily made rigid foam panelled door shutters made from M.S Tuvbe of 19 gauge thickeness size 19x19 mm tro styles and 15x15mm for top and bottom rails, coverted with heat moulded PVC channel of 5 mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rails & bottom rail panelling of 5 mm thick 20mm wide PVC sheet fittled in te M.S Frame sealed to the styless & rails with 5 x 30mm PVC sheet beading on ewither sides & joined together with solvent cement adhesive etc., complete as per manufactures specification & direction of Engineer - in charge fixed to frames with 3 nos, of 75mm Aluminium hinges **Page No. 63 / Item No. 9.83 / PWD 2015-16**	Sqm							
	Door (D1)		6	0.90		2.10	11.34		
							11.34	3365.50	**38165.00**
	Basic Rate	3175.00							
	Area Weightage @ 6%	190.50							
	Total	**3365.50**							
22	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications **PWD SR 2015-16 Page No. 124 / Item No. 15.49**	Sqm							
			Qty Vide Item No.16				519.24		
							519.24	69.96	**36326.00**
	Basic Rate	66.00							
	Area Weightage @ 6%	3.96							
	Total	**69.96**							
23	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications **PWD SR 2015-16 (P.127 / I.15.53.2) with Primer**	Cum							
			Qty Vide Item No.17				928.80		
							928.80	83.74	**77778.00**
	Basic Rate	79.00							
	Area Weightage @ 6%	4.74							
	Total	**83.74**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
24	KSRB 14.14.2: Providing colour glazed tiles of size 10mm thick for flooring, treads of steps and landing, laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, complete as per specifications. Specification No. KBS 14.15.2. **Page No. 115 / Item No. 14.41.2 / PWD SR 2015-16**	Sqm							
	Toilet		6	2.00	2.00		24.00		
			2	4.00	2.00		16.00		
							40.00	1504.14	**60166.00**
	Basic Rate	1419.00							
	Area Weightage @ 6%	85.14							
	Total	**1504.14**							
25	KSRB 14.17.2: Providing skirting, dado, rises of steps with Colour glazed tiles 15x15cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.17. Page No. 116 / Item No. 14.41.1 / PWD SR 2015-16	Sqm							
	Toilet		8	5.40	3.20		138.24		
							138.24	1037.74	**143457.00**
	Basic Rate	979.00							
	Area Weightage @ 6%	58.74							
	Total	**1037.74**							
26	KSRB 8.6-7: Providing and fixing in wall surface 4 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps, walls plugs, screws, including cost of materials, labour, complete as per specifications. Page No. 52/ Item No. 8.18 / PWD SR 2015-16	m							
			10	4.00			**40.00**	451.56	**18062.00**
	Basic Rate	426.00							
	Area Weightage @ 6%	25.56							
	Total	**451.56**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
27	KSRB 14.6-1 : Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. Page No.108/ Item No. 14.6 / PWD SR 2015-16								
	Open Area		1	34.00	16.00		544.00		
							544.00	833.16	**453239.00**
	Basic Rate	786.00							
	Area Weightage @ 8%	47.16							
	Total	**833.16**							
	SANITARY								
28	KSRB 11.11.1 : Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. Page No. 82 / Item No. 12.23 PWD SR 2015-16	Unit							
			5				5	3931.54	**19658.00**
	Basic Rate	3709.00							
	Area Weightage @ 6%	222.54							
	Total	**3931.54**							
29	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal Type) with black solid plastic seat and lid, C. P. brass hinges, rubber buffers. 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labours complete as per specifications. KBS 11 Specification No. KBS 11 Page No. 79 / Item No. 12.5 PWD SR 2015-16	Each							
			2				2		
							2	5279.86	**10560.00**
	Basic Rate	4981.00							
	Area Weightage @ 6%	298.86							
	Total	**5279.86**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
30	KSRB :13-8.3 : Providing and fixing to wall, ceiling and floor, low density poluethylene pipes kgs/sq.cm working pressure 32mm outside diameter, compression type fittings, wall clips, making good the wall ceiling and floor cost of materials, labour charges HOM of equipments and testing exeluding cost of fittings,complete as per specifications Specification No KBS 13.2.15.1/ 13.9/(Page No.100 / Item No. 13.68 PWD SR 2015-16	Rmtr							
			1	100.00			**100.00**	193.98	**19398.00**
	Basic Rate	183.00							
	Area Weightage @ 6%	10.98							
	Total	**193.98**							
31	KSRB 13-1.4 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 32mm dia nominal bore with fittings (medium grade weight 3.23 kg/mtr) Page No. 94 / Item No. 13.4 / PWD SR 2015-16	m							
			1	50.00			**50.00**	366.76	**18338.00**
	Basic Rate	346.00							
	Area Weightage @ 6%	20.76							
	Total	**366.76**							
32	KSRB 13-6.3.5: Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) 32mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3 Page No. 98 / Item No. 13.35 / PWD SR 2015-16	Each							
			2				**2.00**	1007.00	**2014.00**
	Basic Rate	950.00							
	Area Weightage @ 6%	57.00							
	Total	**1007.00**							
33	KSRB 13-6.6.1: Providing and fixing unplasticised PVC connection pipe with brass union 15mm nominal bore 300 mm length of PVC connection including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Page No. 100 / Item No. 13.60 / PWD SR 2015-16	Set							
			1	15.00			**15.00**	890.40	**13356.00**
	Basic Rate	840.00							
	Area Weightage @ 6%	50.40							
	Total	**890.40**							
34	KSRB 13-6.1.2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3, Page No. 96 / Item No. 13.24 / PWD SR 2015-16	Each							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			20				20	192.44	3849.00
	Basic Rate	241.00							
	Area Weightage @ 6%	14.46							
	Total	**255.46**							
35	Supppying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI specifications, No. 273 / Item No. 37.58 PWD SR 2015-16	L							
			1	1000			1000	6.36	6360.00
	Basic Rate	6.00							
	Area Weightage @ 6%	0.36							
	Total	**6.36**							
	ELECTRICAL AND FITTINGS								
36	**Groove Cutting** : Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary **KPWD SR 2010-11 (P-2,I-3) 19/20 mm dia 2mm thick**	Mtrs							
			1	150.00			150.00	43.00	6450.00
	25 mm dia 2mm thick		1	75.00			75.00	53.00	3975.00
37	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. **KPWD SR 2010-11 (P-3, I-6) 10"X7"X3" (300X228X76mm)**	Each							
			4				4	68.00	272.00
	8"X6"X3" (300X228X76mm)		4				4	52.00	208.00
38	Supplying and fixing PVC/metal conduit accessories special type Junction Box **(I. 5/P. 3) KPWD SR 2010-11 32 mm Junction Box**	Each							
			20				20	29.00	580.00
	Deep 32 mm Junction Box		25				25	33.00	825.00
	Fan Box 18 /SWG		15				15	57.00	855.00
39	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet **KPWD SR 2010-11 (P.3/I.8) Point Wiring using Class A Materials a) Short point upto 3Mtr from tapping point to out let via switch**	Each							
			5				5.00	175.00	875.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch		12				12.00	260.00	3120.00
	c) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch		16				16.00	368.00	5888.00
40	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate 1-3 Way **KPWD SR 2010-11 (P.8/I.18)**	Each							
			10				10	90.00	900.00
	4-5Way		3				3	100.00	300.00
	6Way		7				7	175.00	1225.00
	8 Way		5				5	195.00	975.00
	10-12Way		5				5	210.00	1050.00
41	Supplying and fixing superior quality modula switch mounting polyorbonate plate with cecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box **KPWD (P-7, I-17) 2010-11 1 to 3 Modular**	Each							
			10				10	82.00	820.00
	4 Modular		5				5	100.00	500.00
	6 Modular		7				7	125.00	875.00
	8 Modular		4				4	175.00	700.00
	12 Modular		5				5	230.00	1150.00
42	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate **KPWD SR 2010-11 (P.8/I.18) 6Amps one way.**	Each							
			50				50	96.00	4800.00
	6Amps 3way Socket.		20				20	165.00	3300.00
	Stepped Fan Regulator		7				7	530.00	3710.00
	16 Amps one way switch		7				7	132.00	924.00
	6Amps Bell push		2				2	115.00	230.00
	6/16 Amps univesla Socket		7				7	205.00	1435.00
	TV / Telephone Socket		4				4	115.00	460.00
	Rj45/IO Oulet		4				4	525.00	2100.00
43	Wiring for lighting power curcuit using one of PVC insluated 1100v grade multistrand copper conductor single core cable in open or concealed system of wiring **P-9, i-20 KPWD SR 2010-11 1.5 Sqmm**	Mtrs							
			150				150	150.00	22500.00
	2.5 Sqmm		1900				1900	25.00	47500.00
	4 Sqmm		1900				1900	32.00	60800.00
	6 Sqmm		75				75	52.00	3900.00
44	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps **KPWD SR 2010-11 (P-13, I.2)**	No							
			12				12	60.00	720.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
45	Extra for supplying 4mm thick white plastic plate and convering for juncrtion boxese or size 80mm conduit using necessary machine screws **KPWD SR 2010-11 (P-10, I-26) 8mm**	No							
			12				**12**	6.48	**78.00**
46	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulatoirs etc and fixing on existing wooden or metal box using NF screws **KPWD SR 2010-11 (P-11, I-29)**	Sqcm							
			2500				**2500**	0.22	**550.00**
47	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube **KPWD SR 2010-11 (P.16/I.2) Group 'A'**	Each							
			15				**15**	675.00	**10125.00**
48	Supplying of Incandescent lamps KPWD SR **2010-11 (P.44/I.22) B.C. 100Watts**								
			15				**15**	14.00	**210.00**
49	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system KPWD SR 2007-08 (P-23, I-23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard **(p.23 / I.23 .II) KPWD SR 2010-11 Regular Model**	Each							
			4				4	1800.00	**7200.00**
50	Supplying wall mounting fan suitable to operat		2				2	2400.00	**4800.00**
51	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box **KPWD SR 2010-11 (P-7, I-17) 1 to 3 Modular**	Each							
			4				4	82.00	**328.00**
	8 Modular		8				8	175.00	**1400.00**
52	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate KPWD SR 2010-11 (P.8/I.18) 6Amps one way.	Each							
			4				4	96.00	**384.00**
	6Amps 3way Socket.		3				3	165.00	**495.00**
53	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box **KPWD SR 2010-11 (P.9/I.19) Group A**	Each							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2				2	630.00	**1260.00**
54	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps **KPWD SR 2010-11 (P-13, I.2)**	No							
			2				2	60.00	**120.00**
55	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required **5-32 Amps SP KPWD SR 2010-11 (P.34/I.13)**	Each							
			2				2	560.00	**1120.00**
56	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc **KPWD SR 2010-11 (P,32/I.2) 20"x20"x2.5"**								
			2				2	285.00	**570.00**
57	Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers etc complete **KPWD SR 2010-11 (P.30/I.3) 32 Amps**								
			2				2	100.00	**200.00**
58	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.**P No. 68/ I No. 4(d) 4 core 16 Sqmm KPWD Electrical SR 2010-11**	Mtr							
			1	50.00			**50.00**	215.00	**10750.00**
59	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, **P No. 69 / I No. Ia In existing trencg/duct 6Sqmm to 16 Sqmm) KPWD Electrical SR 2010-11**	Mtr							
			1	50.00			**50.00**	11.00	**550.00**
60	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB **1-2 P-7) P No. 70/ I. No. 6-c KPWD Electrical SR 2010-11 For Cutting Road Surface**	Mtr							
			1	25.00			**25.00**	40.00	**1000.00**
			1	10.00			**10.00**	60.00	**600.00**
61	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class **P. No. 70/ I No.9-A KPWD Electrical SR 2010-11 40mm dia GI pipe**	Mtr							
			1	5.00			**5.00**	240.00	**1200.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
62	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 70/ I No. 10-b KPWD Electrical SR 2010-11 16Sqmm**	No.							
			1				1.00	286.00	286.00
63	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000, **(P No.68, I No. 1) KPWD Electrical SR 2010-11**	No							
			2				2	3000.00	6000.00
64	Supplying and drawing UTP-CAT -E LAN calve (49/31)	Nos							
			230				230	35.00	8050.00
65	1HP Submercible centrifugal force pump of approved make with all necessary fittings including wiring switch board, starter etc., and Electronic Automatic Equipment (Programmable Logic Control)	LRQ							
			1				1.00	18000.00	18000.00
66	Sub Total								5256756.00
67	Add 8% KRIDL Charges								420540.00
68	Add 1% Third party Inspection Charges								52568.00
69	Miscesalaneous Charges								
									136.00
								Total	5730000.00
Rupees Fifty Seven Lakh(s) Thirty Thousand Only									

ADMINISTRATIVELY SANCTIONED FOR Rs 57,30/- Rupees Fifty Seven Lakhs Thirty Thousand only
Under P-3111
Registered as EE ( ) No ... 9...
Subject to conditions contained in
enclosed memo EE ( ) No ... /...
Dt ... Estimate A/S ... tioned
JC(Y)PAL/AS/17/16-17
dated ... No ...
Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16 & KPWD 2010-11.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 08
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub-Division
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

4 DTS Approved with Corrections at I.Nos 74 to 79 »

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

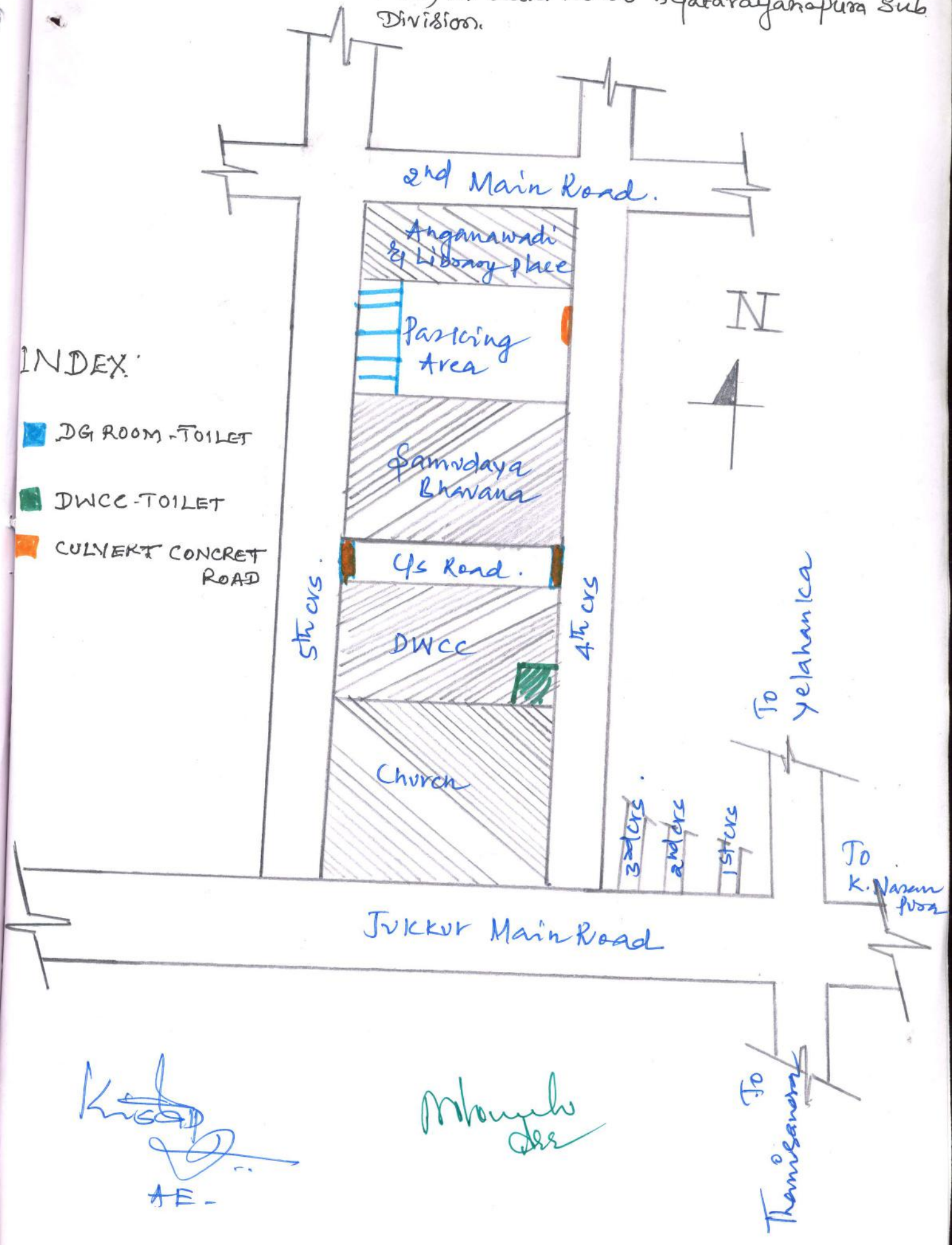
12/9/16

Technical Sanction Accorded For 57.30 lakh Rs.
Head of A/C..P-3111
CER NO :.....57..... Dt 05/01/17

TA : CE (YNK)

01.02.17

NAME OF WORK :- Samudaya Bhavana Hegdenagara (Near Dry waste Collection Center) in ward No-06 Byatarayanapura Sub Division.



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